CATHODE RAY TUBE

CV300

MINISTRY OF SUPPLY

Specification MOS/CV300/Issue 1 SECURITY					
Dated 28.1.46.	Specification	AND DESCRIPTION OF THE PERSON			
To be read in conjunction with K1003	Restricted	Restricted			

		, Indi	.cates	a change
TYPE OF DEFLECTION:-	Magnetic			personal programme of the service of
BULB :-	Internally coated with conductive coating			MARKING See K1001/4
SCREEN :-	Blue BEN			
RATING	٠		Note	<u>PASE</u> International Octal
Heater Voltage Heater Current Maximum Anode Voltag Desirable Spot Size Normal Working Anode Voltage Working Beam Current Pulsed Beam Current	(MMS) (KV) (µA)	4.0 1.0 8 0.5 5.4 15.0 100.0		DIMENSIONS AND CONNECTIONS See Drawing on Page 4

NOTE

A:- The gun assembly shall be sufficiently robust to withstand considerable mechanical shocks without suffering displacement.

CV300

To be carried out in addition to those applicable in K.1003

6		Mag	t Condit	ione		Talm	its	No.
Sus	$\overline{\mathtt{V}_{\mathtt{h}}}$	Va	V _g	Ib	Test		Max.	Tested
Clause		(KV)	(μΑ)				
(a)					Interelectrode Capac-	-	25	5%
					itances (Pf)			
					Grid to all other electrodes			
(b)	4.0	0	0		Ih(A)	-	1.2	100%
(c)	4.0	5.4	Adjust-	-	Line width	-	1mm	
` '			ed					
			dge of or y mountin					
			rom axis					
			g.) Coil					4007
			adjusted focus ar		•			100%
			a beam					
			al to 50					
			p s; 94mm Y directi					
	•		ively					
(a)	4.0	5•4	Adjust-	15.C	$v_{\mathbf{g}}$	To b		
	Tion or		l ed l ng condit	ione	_	leas nega	t 26V	100%
			est (c)	LIOIIS		to c		100%
	ļ.		• •				valu e	
4			•			to be noted		
(e)	4.0	5.4	Adjust-	3.0	Increase in negative	-	7	100%
		Ì	ed		value of Vg compared with			,.
			ng conditest (c)	ions	value noted in test (d)			
(P)			Adjust-	100-0	Decrease in negative	 	20	100%
	!	1	ed	i	value of Vg compared with			. 50,0
			ng conditest (c)	ions	value in test (e)			
(g)			Adjust-	0.1	1) V _g	42	77	
	 		l ed ng condit	i ara	2) Increase in negative			100%
			est (c)	TOUR	value of Vg compared with value noted in test (e)		9	
								

Province and the same			gamena (march 1-12) mar	-	general control of the second
Clause	Test Conditions Vh Va Vg Ib	Test	Limits Min. Mex.		No. Tested
5	(KV) (µA)				i
(h)	4.0 5.4 - - -	Grid Insulation 1) Leakage Current (µA) 2) Increase in voltmeter reading.		7•7 100%	100%
(t)	4.0 5.4 Within Working Range Focussing conditions as in test (c). Deflection field to give a repeating line 165 mms in length, centred on centre of screen.	There shall be no shadow- ing at any orientation of trace	,		100%
(k)	4.0 5.4 Within Working Range No focus coil energisation	Deviation of centre of unfocussed spot from centre of screen (mms)	4253	10	100%
(1)	4.0 5.4 Within Working Range No focussing coil energisation. Deflect- ing fields to give raster of area approx- imately 12cms x 12cms.	The screen shall not be worse for non-uniformity than a standard tube.		mercing a state with Traditional	100%
(m)	The same of the sa	Life Test Life (hours)	1000		1%

